

## **CAPILLARY WELD EXTENSION WITH THERMAL ISOLATION**

### ABSTRACT OF THE DISCLOSURE

A remote seal assembly includes a seal body  
5 and an extension. The seal body defines a cavity  
with a diaphragm that seals the cavity from a process  
fluid. The extension is connected with the seal body  
on a first end and is configured for connection to a  
capillary tube on a second end. The extension  
10 defines a bore extending from the first end to the  
second end that is fluidically coupled to the cavity.  
A length of the extension is related to a temperature  
of the second end of the extension such that the  
second end of the extension is at or below an  
15 outgassing temperature of the material used to  
connect the extension and the capillary tube.